

Title (en)

Multi-layer resin films having excellent oxygen gas barrier properties and process for their production

Title (de)

Mehrschichttharzfolien mit ausgezeichneten Sauerstoffbarriere-Eigenschaften und Verfahren zu ihrer Herstellung

Title (fr)

Péllicule de résine multicouche ayant d'excellentes propriétés de barrière à l'oxygène et procédé pour sa préparation

Publication

EP 1179557 B1 20051109 (EN)

Application

EP 01106510 A 20010315

Priority

JP 2000240278 A 20000808

Abstract (en)

[origin: EP1179557A1] The present invention provides a multi-layer resin film having excellent oxygen gas barrier properties, particularly even at high humidity, and further having no chlorine content. The multi-layer resin film of the present invention has a biaxially-stretched polypropylene resin film, an adhesive layer formed on at least one surface of the polypropylene resin film, and a polyvinyl alcohol resin layer formed on the adhesive layer, wherein the polyvinyl alcohol resin layer has a value of crystallinity parameter (CP (M//) ORTHOGONAL) not less than 0.8. The multi-layer resin film of the present invention can be prepared by forming an adhesive layer on at least one surface of an unstretched polypropylene resin film; stretching the film in one direction; forming a polyvinyl alcohol resin layer on the adhesive layer; and stretching the film in another direction perpendicular to the direction of previous stretching.

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